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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

LIST OF STATION PUBLICATIONS

Received by the Office of Experiment Stations during January, 1939

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

- Fiftieth annual report, fiscal year ending June 30, 1938. C. O. Brannen. (Ark. Sta. Bul. 368. 1938.) Fayetteville.
- Aphids feeding on celery in California. E. O. Essig.- Western celery mosaic. H. H. P. Severin and J. H. Freitag. (Hilgardia [Calif. Sta.] vol. 11, no. 9. 1938.) Berkeley.
- Agricultural research in Colorado: Fifty-first annual report, Colorado Experiment Station, 1937-38. E. P. Sandsten. 1938. Fort Collins.
- The influence of mosquitoes on milk production in Delaware. D. MacCreary. (Del. Sta. Bul. 213. 1938.) Newark.
- Utilization and storage of Florida grapes. O. D. Abbott and K. W. Loucks. (Fla. Sta. Bul. 329. 1938.) Gainesville.
- Downy mildew (blue mold) of tobacco. R. R. Kincaid and W. B. Tisdale. (Fla. Sta. Bul. 330. 1939.) Gainesville.
- Relation of magnesium deficiency in grapefruit leaves to yield and chemical composition of fruit. B. R. Fudge. (Fla. Sta. Bul. 331. 1939.) Gainesville.
- Dahlia variety test, 1938. H. L. Cochran, D. D. Long and N. LaMotte. (Ga. Sta. Circ. 116. 1938.) Experiment.
- Agricultural outlook for Illinois, 1939. J. C. Blair. (Ill. Sta. Circ. 488. 1938.) Urbana. Erroneously given in December list as Circ. 448.
- Influence of growth temperature on the thermal resistance of some bacteria from evaporated milk. D. R. Theophilus and B. W. Hammer. (Iowa Sta. Res. Bul. 244. 1938.) Ames.
- Differential reaction of apple varieties to Gymnosporangium juniperi-virginianae. G. L. McNew. (Iowa Sta. Res. Bul. 245. 1938.) Ames.
- Fluorine toxicosis in the albino rat. J. A. Schulz. (Iowa Sta. Res. Bul. 247. 1938.) Ames.
- Differential mobility within the rural population in 18 Iowa townships, 1923 to 1937. R. E. Wakeley. (Iowa Sta. Res. Bul. 249. 1938.) Ames.
- Roadside marketing of horticultural products in Kansas. F. L. Parsons. (Kans. Sta. Circ. 194. 1938.) Manhattan.

Ninth biennial report of the director Kansas Agricultural Experiment Station, fiftieth anniversary issue, for the biennium July 1, 1936, to June 30, 1938. L. E. Call et al., 1938. Manhattan.

The fruit and vegetable supply of Louisville. C. D. Phillips. (Ky. Sta. Bul. 387. 1938.) Lexington.

Proceedings in commemoration of the fiftieth anniversary of the Kentucky Agricultural Experiment Station, Wednesday, September 25, 1935. T. P. Cooper et al. (Ky. Sta. Bul. 388. 1938.) Lexington.

Comparative effects of furrow, level, and ridge culture on corn production at Baton Rouge, Louisiana. H. B. Brown and H. C. Lovett. (La. Sta. Bul. 302. 1938.) University.

Pork production. C. I. Bray. (La. Sta. Bul. 303. 1938.) University.

(Special bulletin.) Legume and grass silage, a survey of methods and results on 380 northeastern farms. F. B. Morrison et al. (Md. Sta. Bul. 411. 1938.) Also published as N. H. Bul. 305; N. J. Bul. 643; and Vt. Bul. 434. College Park.

Effect of castration of lambs on their development and quality of meat. W. E. Hunt, D. Meade and B. E. Carmichael. (Md. Sta. Bul. 417. 1938.) College Park.

Does it pay to grade eggs? P. R. Poffenberger, S. H. DeVault, and S. B. Shaw. (Md. Sta. Bul. 418. 1938.) College Park.

The plum curculio. C. Graham. (Md. Sta. Bul. 419. 1938.) College Park.

Physiological studies on after-ripening and germination of fruit-tree seeds. I. C. Haut. (Md. Sta. Bul. 420. 1938.) College Park.

An economic survey of farm orchards in counties near Baltimore, Md., and Washington, D. C. S. B. Chase and A. L. Schrader. (Md. Sta. Bul. 421. 1938.) College Park.

Standard of living on Carrol County, Maryland farms. V. C. Teeter and C. B. Smith. (Md. Sta. Bul. 422. 1938.) College Park.

The fifty-first annual report of the Maryland Agricultural Experiment Station for the fiscal year ending June 30, 1938. J. E. Metzger. 1938. College Park.

The fifty-first annual report of the Maryland Agricultural Experiment Station, 1937-38, bulletin supplement (Bulletins 410-419) 1938. College Park.

Eighteenth annual report on eradication of pullorum disease in Massachusetts. (Mass. Sta. Control Ser. Bul. 93. 1938.) Amherst.

Meteorological observations for October 1938. C. I. Gunness. (Mass. Sta. Met. Bul. 598. 1938.) Amherst.

- Meteorological observations for November 1938. C. I. Gunness. (Mass. Sta. Met. Bul. 599. 1938.) Amherst.
- Meteorological observations for December 1938. C. I. Gunness. (Mass. Sta. Met. Bul. 600. 1938.) Amherst.
- Controlling rats and house mice. D. W. Hayne and C. H. Jefferson. (Mich. Sta. Circ. 167. 1939.) East Lansing.
- The Mexican bean beetle and its control in Missouri. L. Haseman and C. W. Wingo. (Mo. Sta. Circ. 199. 1938.) Columbia.
- The present status of the European corn borer. L. Haseman. (Mo. Sta. Circ. 200 1938.) Columbia.
- Montana insect pests for 1937 and 1938: The twenty-seventh report of the state entomologist of Montana. H. B. Mills. (Mont. Sta. Bul. 366. 1939.) Bozeman.
- The use of lard in cake making. H. Baeder. (Nebr. Sta. Bul. 320. 1938.) Lincoln.
- White top (hoary cress, Lepidium draba), holding it under control by cultivation, followed by the establishment of a sod of pasture grasses and clovers. C. E. Fleming and C. A. Brennen. (Nev. Sta. Bul. 149. 1938.) Reno.
- Fertilizer materials and mixed fertilizers. A. W. Blair. (N. J. Sta. Bul. 651. 1938.) New Brunswick.
- The economic condition of the potato industry in New Jersey. A. G. Waller and J. W. Carncross. (N. J. Sta. Bul. 652. 1938.) New Brunswick.
- Soil organic matter and the living plant. A. W. Blair and S. A. Waksman. (N. J. Sta. Bul. 653. 1938.) New Brunswick.
- Analyses of materials sold as insecticides and fungicides during 1938. C. S. Cathcart and R. L. Willis. (N. J. Sta. Bul. 654. 1938.) New Brunswick.
- Chemical reactions of lead arsenate-lime-sulfur sprays. J. M. Ginsburg and L. E. Perlmut. (N. J. Sta. Bul. 655. 1938.) New Brunswick.
- Meat production in chickens. F. P. Jeffrey. (N. J. Sta. Bul. 656. 1938.) New Brunswick.
- Woody plants with ornamental fruits. C. H. Connors. (N. J. Sta. Circ. 380. 1938.) New Brunswick.
- A septic tank disposal system. E. R. Gross. (N. J. Sta. Circ. 381. 1938.) New Brunswick.
- An economic study of land utilization in Wyoming County, New York. H. R. Kling. (N. Y. (Cornell) Sta. Bul. 707. 1938.) Ithaca.

- Seedstalk and bulb development in the onion (Allium cepa L.) H. C. Thompson and C. Smith. (N. Y. (Cornell) Sta. Bul. 708. 1938.) Ithaca.
- Studies of the factor in cod-liver oil concerned in the production of muscle dystrophy in certain herbivora. G. Davis, L. A. Maynard and C. M. McCay. (N. Y. (Cornell) Sta. Mem. 217. 1938.) Ithaca.
- The plum curculio as an apple pest. P. J. Chapman. (N. Y. State Sta. Bul. 684. 1938.) Geneva.
- Colchicine and its place in fruit breeding. B. R. Nebel and H. L. Ruttle. (N. Y. State Sta. Circ. 183. 1938.) Geneva.
- The relation of certain physical fiber properties in improved cotton varieties to spinning quality. J. H. Moore. (N. C. Sta. Tech. Bul. 58. 1938.) State College Station, Raleigh.
- Bimonthly Bulletin. (N. Dak. Sta. Bimo. Bul. vol. 1, no. 2. 1938.) State College Station, Fargo.
- Bimonthly Bulletin. (N. Dak. Sta. Bimo. Bul. vol. 1, no. 3. 1939.) State College Station, Fargo.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 195. 1938.) Wooster.
- Special agricultural investigations, a preliminary report of research authorized by the Oregon Legislature, 1937 session. Compiled by R. S. Besse and J. C. Burtner (Oreg. Sta. Circ. 130. 1938.) Corvallis.
- Lawn grasses and their management. H. F. A. Worth, T. E. Odland and J. A. DeFrancis (R. I. Sta. Bul. 264. 1938.) Kingston.
- Farm taxes and farm real estate transfers in Rhode Island. J. L. Tennant. (R. I. Sta. Bul. 269. 1938.) Kingston.
- Pasture improvement practices in Rhode Island. T. E. Odland and R. S. Shaw. (R. I. Sta. Bul. 270. 1938.) Kingston.
- County land management in northwestern South Dakota. R. J. Penn and C. W. Loomer. (S. Dak. Sta. Bul. 323. 1938.) Brookings.
- Control of tomato diseases in the seed bed and cold frame. A. L. Harrison, P. A. Young, and G. E. Altstatt. (Tex. Sta. Circ. 82. 1939.) College Station.
- A study of farm organization by types of farms in Uinta Basin, Utah. G. T. Blanch (Utah Sta. Bul. 285. 1939.) Logan.
- Some trends in Utah's agriculture. W. U. Fuhrman. (Utah Sta. Bul. 286. 1939.) Logan.
- Comparison of heights, yields, and leaf percentages of certain sweetclover varieties W. Hermann. (Wash. Sta. Bul. 365. 1938.) Pullman.

The nutritive value of home grown roughage rations for dairy cattle. R. E. Hodgson et al. (Wash. Sta. Bul. 366. 1938.) Pullman.

Diesel tractor engines. A. C. Jacquot. (Wash. Sta. Pop. Bul. 156. 1939.) Pullman.

Epistle to the farm: The report of the director, West Virginia Agricultural Experiment Station for the biennium 1936 to 1938. C. R. Orton. (W. Va. Sta. Bul. 290. 1938.) Morgantown.

Feeding systems for laying hens. M. O. North. (Wyo. Sta. Bul. 230. 1938.) Laramie.

The number of Illinois Station Circular 438, Agricultural Outlook for Illinois, 1939, was erroneously given as 448 in the List of Station Publications for December, 1938. It will be appreciated if this number is corrected in any copies on file.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

MAR 18 1939

LIST OF STATION PUBLICATIONS

Received by the Office of Experiment Stations during February 1939

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

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- Forty-eighth annual report of the Alabama Agricultural Experiment Station, January 1, to December 31, 1937. M. J. Funchess et al. [1938.] Auburn.
- Nutritional studies with cattle on a grassland-type range in Arizona. E. B. Stanley. (Ariz. Sta. Tech. Bul. 79. 1938.) Tucson.
- Inequalities in the Arkansas property tax assessment system. E. E. Sparlin. (Ark. Sta. Bul. 369. 1939.) Fayetteville.
- State-owned land in Arkansas. O. J. Hall. (Ark. Sta. Bul. 370. 1939.) Fayetteville.
- The water-culture method for growing plants without soil. D. R. Hoagland and D. I. Arnon. (Calif. Sta. Circ. 347. 1938.) Berkeley.
- The toxic effect of certain chemical solutions on spores of Penicillium italicum and P. digitatum. Liang Hwang and L. J. Klotz.- Leaf-scar infection in relation to the olive knot disease. W. B. Hewitt.- Charcoal rot of sugar beet. C. M. Tompkins. (Hilgardia [Calif. Sta.], vol. 12, no. 1. 1938.) Berkeley.
- Colorado Farm Bulletin. (Colo. Sta. Colo. Farm Bul., vol. I, no. 1. 1939.) Fort Collins.
- The European red mite and its control. P. Garman and J. F. Townsend. (Conn. (State) Sta. Bul. 418. 1938.) New Haven.
- Hibernation of the corn ear worm in southern Connecticut. G. W. Barber. (Conn. (State) Sta. Bul. 419. 1939.) New Haven.
- Crossbreeding poultry for meat production, including a feeding test of taro waste and poi. C. M. Bice and B. A. Tower. (Hawaii Sta. Bul. 81. 1939.) Honolulu.
- Idaho bull associations. D. L. Fourn and I. H. Loughary. (Idaho Sta. Bul. 223.) 1938.) Moscow.
- Capacity to pay and farm financing. L. J. Norton, J. Ackerman and C. R. Sayre. (Ill. Sta. Bul. 449. 1938.) Urbana.
- Illinois corn performance tests, 1938. G. H. Dungan et al. (Ill. Sta. Bul. 450. 1939.) Urbana.

- How to stop weevil damage in stored grain. M. D. Farrar. (Ill. Sta. Circ. 489. 1939.) Urbana.
- Wilt-resistant tomato varieties, released by the Illinois Station. W. A. Huelsen. (Ill. Sta. Circ. 490. 1939.) Urbana.
- 1938 Iowa corn yield test. M. S. Zuber and J. L. Robinson. (Iowa Sta. Bul. 379. 1939.) Ames.
- Report on agricultural research, Iowa Agricultural Experiment Station, for the year ending June 30, 1938: Part I, Project reports, publications, staff, financial statement. R. E. Buchanan et al. [1938.] Ames.
- Report on agricultural research, Iowa Agricultural Experiment Station, for the year ending June 30, 1938: Part II, Iowa Corn Research Institute, third annual report. [1938.] Ames.
- Fifty-first annual report of the Kentucky Agricultural Experiment Station for the year 1938: Part II, Bulletins 378-388, Circular 49. 1938. Lexington.
- Production of Easter lily bulbs in Louisiana. F. D. Cochran and D. L. Gill. (La. Sta. Circ. 22. 1939.) University.
- The Maine Agricultural Experiment Station, report of progress for year ending June 30, 1938. (Maine Sta. Bul. 391. 1938.) Orono.
- Inspection of commercial feedstuffs. P. H. Smith. (Mass. Control Ser. Bul. 94. 1938.) Amherst.
- Inspection of commercial fertilizers. H. D. Haskins. (Mass. Control Ser. Bul. 95. 1938.) Amherst.
- Meteorological observations for January 1939. C. I. Gunness. (Mass. Sta. Met. Bul. 601. 1939.) Amherst.
- Production of root crops for forage in Michigan. B. R. Churchill. (Mich. Sta. Circ. 168. 1939.) East Lansing.
- The Quarterly Bulletin. (Mich. Sta. Quart. Bul., vol. 21, no. 3. 1939.) East Lansing.
- A resurvey of the demonstration prairie shelterbelts in Minnesota. H. L. Hansen and H. Schmitz. (Minn. Sta. Bul. 337. 1938.) University Farm, St. Paul.
- The bark beetles of Minnesota (Coleoptera: Scolytidae). H. R. Dodge. (Minn. Sta. Tech. Bul. 132. 1938.) University Farm, St. Paul.
- Variation in Sphacelotheca sorghi (Link) Clinton. L. J. Tyler. (Minn. Sta. Tech. Bul. 133. 1938.) University Farm, St. Paul.
- Corn hybrids for Missouri. G. F. Sprague. (Mo. Sta. Circ. 201. 1939.) Columbia.

- Spring and winter wheat varieties under irrigation. E. J. Wellhausen. (Mont. Sta. Bul. 365. 1938.) Bozeman.
- Nebraska tractor tests, 1920-1938. (Nebr. Sta. Bul. 321. 1939.) Lincoln.
- The utilization of food elements by growing chicks: VI, The influence of the protein level of the ration on the growth of chicks. C. W. Ackerson, M. J. Blish, and F. E. Missehl. (Nebr. Sta. Res. Bul. 108. 1939.) Lincoln.
- Vitamin "A" requirements of growing chicks, a review of experimental work. A. E. Tepper and R. C. Durgin. (N. H. Sta. Bul. 310. 1938.) Durham.
- Studies of contact insecticides: XIII, The blood of the cockroach, Periplaneta americana L., cell structure and degeneration, and cell counts. H. W. Smith. (N. H. Sta. Tech. Bul. 71. 1938.) Durham.
- The peach enterprise in western New York, soil relationships, costs and returns, and marketing. H. F. DeGraff. (N. Y. (Cornell) Sta. Bul. 710. 1939.) Ithaca.
- State reforestation in two New York counties, the story of the land and the people. T. E. LaMont. (N. Y. (Cornell) Sta. Bul. 712. 1939.) Ithaca.
- Fifty-first annual report, New York Cornell Agricultural Experiment Station for the fiscal year 1937-1938. C. E. Ladd et al. [1938.] Ithaca.
- Bordeaux injury to tomatoes and its effect on ripening. J. G. Horsfall, R. O. Magie, and R. F. Suit. (N. Y. State Sta. Tech. Bul. 251. 1938.) Geneva.
- Fifty-seventh annual report of the New York State Agricultural Experiment Station for the fiscal year ended June 30, 1938. P. J. Parrott. 1938. Geneva.
- Breeding new strawberry varieties. G. M. Darrow and E. B. Morrow. (N. C. Sta. Bul. 320. 1939.) State College Station, Raleigh.
- Blue stain of cotton caused by fungi. O. P. Owen. (N. C. Sta. Tech. Bul. 59. 1938.) State College Station, Raleigh.
- Cloth houses. A. Laurie and C. Link. (Ohio Sta. Bul. 594. 1938.) Wooster.
- Potato flea beetles and their control. H. L. Gui. (Ohio Sta. Bul. 595. 1938.) Wooster.
- Winter injury of fruit trees in Ohio. L. Havis and I. P. Lewis. (Ohio Sta. Bul. 596. 1938.) Wooster.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 196. 1939.) Wooster.
- An ecological survey of the Orthoptera of Oklahoma. M. Hebard. (Okla. Sta. Tech. Bul. 5. 1938.) Stillwater.
- Science serving agriculture: Report of Oklahoma Agricultural Experiment Station for July 1, 1936, to June 30, 1938. L. E. Ellis. 1939. Stillwater.

- Insect pests and diseases of strawberry in Oregon. W. D. Edwards and S. M. Zeller. (Oreg. Sta. Bul. 357. 1938.) Corvallis.
- The tipblight disease of tomato. F. P. McWhorter and J. A. Milbrath. (Oreg. Sta. Circ. 128. 1938.) Corvallis.
- Ladino clover for western Oregon. H. A. Schoth. (Oreg. Sta. Circ. 129. 1938.) Corvallis.
- Fifty-first annual report of the Pennsylvania Agricultural Experiment Station for the fiscal year ended June 30, 1938. R. L. Watts et al. (Pa. Sta. Bul. 367. 1938.) State College.
- Effect of rearing environment on sexual development of fowls. E. W. Callenbach and J. E. Nicholas. (Pa. Sta. Bul. 368. 1938.) State College.
- An economic study of farming in the Crooked Creek area, Indiana and Armstrong Counties, Pennsylvania. D. H. Walter. (Pa. Sta. Bul. 369. 1938.) State College.
- Fertility studies on Dekalb soil, and their application to farmland in Pennsylvania. J. W. White et al. (Pa. Sta. Bul. 370. 1939.) State College.
- Phosphorus deficiency among cattle in Pennsylvania. E. B. Forbes and S. R. Johnson. (Pa. Sta. Bul. 371. 1939.) State College.
- Apple insect control studies in 1938 (progress report). H. N. Worthley and H. M. Steiner. (Pa. Sta. Bul. 376. 1939.) State College.
- Blue mold (downy mildew) of tobacco and its control. (S. C. Sta. Circ. 58. 1938.) Clemson.
- Fifty-first annual report of the South Carolina Experiment Station for the year ended June 30, 1938. H. P. Cooper et al. 1938. Clemson.
- Comparative values of various protein feeds for growing chicks. R. M. Sherwood and J. R. Couch. (Tex. Sta. Bul. 569. 1939.) College Station.
- Fiftieth annual report, Texas Agricultural Experiment Station, 1937. A. B. Conner et al. [1938.] College Station.
- Lygus bugs (Lygus hesperus Knight and Lygus elisus Van Duzee) in relation to alfalfa seed production. C. J. Sorenson. (Utah Sta. Bul. 284. 1939.) Logan.
- The injection of spray concentrates, a new procedure for the application of insecticides. K. Groves, J. Marshall, and H. Fallscheer. (Wash. Sta. Bul. 367. 1938.) Pullman.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

APR 15 1939
U. S. Department of Agriculture

LIST OF STATION PUBLICATIONS

Received by the Office of Experiment Stations during March 1939

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

Problems of water resources for rice irrigation. D. G. Carter and K. Engler. (Ark. Sta. Bul. 371. 1939.) Fayetteville.

Toward better agriculture: Report of the California Agricultural Experiment Station, July 1, 1936, to June 30, 1938. C. B. Hutchison and S. B. Freeborn. [1938.] Berkeley.

Annual report of the director for the fiscal year ending June 30, 1938. C. A. McCue et al. (Del. Sta. Bul. 214. 1938.) Newark.

Golden anniversary report, Florida Agricultural Experiment Station, for the fiscal year ending June 30, 1938. W. Newell et al. [1938.] Gainesville.

4-H club work, effect on capability and personal quality. D. E. Lindstrom and W. M. Dawson. (Ill. Sta. Bul. 451. 1939.) Urbana.

Eighteen varieties of edible soybeans, their adaptability, acceptability, culture and characteristics. J. W. Lloyd and W. L. Burlison. (Ill. Sta. Bul. 453. 1939.) Urbana.

Problems in growing tomatoes in Illinois. W. A. Huelsen. (Ill. Sta. Circ. 491. 1939.) Urbana.

St. Clair County soils. G. D. Smith and L. H. Smith. (Ill. Sta. Soil Rpt. 63. 1938.) Urbana.

Contributions from Iowa Corn Research Institute, vol. I, no. 2. 1939. Ames.

The strawberry crown borer, Tyloclerum fragariae (Riley). P.O. Ritcher. (Ky. Sta. Bul. 389. 1939.) Lexington.

Organization and management of the Falls Cities Cooperative Milk Producers' Association. J. B. Roberts and H. B. Price. (Ky. Sta. Bul. 390. 1939.) Lexington.

Commercial fertilizers, 1938. E. R. Tobey. (Maine Sta. Off. Insp. 169. 1938.) Orono.

Manual for milk and cream testers in Maryland. C. W. England. (Md. Sta. Bul. 423. 1938.) College Park.

- Seed inspection. F. A. McLaughlin. (Mass. Sta. Control Ser. Bul. 96. 1938.) Amherst.
- Inspection of agricultural lime products. E. D. Haskins. (Mass. Sta. Control Ser. Bul. 97. 1938.) Amherst.
- Meteorological observations for February 1939. C. I. Gunness. (Mass. Sta. Met. Bul. 602. 1939.) Amherst.
- Livestock shipping associations. A. A. Dowell and S. T. Warrington. (Minn. Sta. Bul. 339. 1938.) University Farm. St. Paul.
- Insects infesting stored grain and seeds. H. H. Shepard. (Minn. Sta. Bul. 340. 1939.) University Farm, St. Paul.
- Studies on some factors relating to hardness in the strawberry. E. Angelo et al. (Minn. Sta. Tech. Bul. 135. 1939.) University Farm, St. Paul.
- A compilation of information on kudzu. I. E. Miles and E. E. Gross. (Miss. Sta. Bul. 326. 1939.) State College.
- Growth and development, with special reference to domestic animals: I, The influence of fasting and refeeding on milk production, heat production, and respiratory quotient. L. E. Washburn, S. Brody, and A. C. Ragsdale. (Mo. Sta. Res. Bul. 295. 1939.) Columbia.
- Studies on the blood precursors of milk protein. E. P. Reineke et al. (Mo. Sta. Res. Bul. 296. 1939.) Columbia.
- Virus protein of mosaic disease of tobacco. C. G. Vinson, D. K. McReynolds, and N. S. Gingrich. (Mo. Sta. Res. Bul. 297. 1939.) Columbia.
- Montana farm foreclosures: Number, characteristics, and causes of farm mortgage foreclosures over a seventy-year period, with some suggestions for reducing them in the future. R. R. Renne. (Mont. Sta. Bul. 368. 1939.) Bozeman.
- Phosphate investigations in Montana, 1938. W. P. Willis, Jr. and F. M. Harrington. (Mont. Sta. Bul. 369. 1939.) Bozeman.
- Inspection of commercial fertilizers for 1938. T. O. Smith and H. A. Davis. (N. H. Sta. Bul. 311. 1938.) Durham.
- Methods for the diagnosis and control of bovine mastitis. L. W. Slanetz and J. Naghski. (N. H. Sta. Tech. Bul. 72. 1939.) Durham.
- Marketing fruits and vegetables on farmers' markets, New York metropolitan district. M. Pp Rasmussen. (N. Y. (Cornell) Sta. Bul. 709. 1938.) Ithaca.
- Soils in relation to fruit growing in New York: Part XIV, Tree behavior on important soil profiles in the Finger Lakes area. D. Boynton. (N. Y. (Cornell) Sta. Bul. 711. 1938.) Ithaca.

- The composition of rural households. W. A. Anderson. (N. Y. (Cornell) Sta. Bul. 713. 1939.) Ithaca.
- Problems in the production of Iceberg lettuce in New York. J. E. Knott, E. M. Anderson, and R. D. Sweet. (N. Y. (Cornell) Sta. Bul. 714. 1939.) Ithaca.
- The effect of temperature on the photoperiodic response of spinach. J. E. Knott. (N. Y. (Cornell) Sta. Mem. 213. 1939.) Ithaca.
- Bimonthly Bulletin. (N. Dak. Sta. Bimo. Bul., vol. I, no. 4. 1939.) State College Station, Fargo.
- Local government in two rural Ohio counties. H. R. Moore. (Ohio Sta. Bul. 537. 1938.) Wooster.
- Turkey production. E. W. Milby, R. G. Jaap, and R. B. Thompson. (Okla. Sta. Bul. 236. 1939.) Stillwater.
- Current farm economics, Oklahoma. (Okla. Sta. Cur. Farm Econ., vol. 12, no. 1. 1939.) Stillwater.
- Coccidiosis of the chicken with special reference to species. W. T. Johnson. (Oreg. Sta. Bul. 358. 1938.) Corvallis.
- Planning the kitchen. M. Wilson. (Oreg. Sta. Circ. 131. 1939.) Corvallis.
- Methods and costs of marketing potatoes in Pennsylvania. W. R. Whitacre. (Pa. Sta. Bul. 372. 1939.) State College.
- Orchard soil management, some effects of different practices on the soil. W. J. Shaulis and F. G. Merkle. (Pa. Sta. Bul. 373. 1939.) State College.
- Out-of-school rural youth in Pennsylvania: An analysis of high school and post-high school records of 185 rural boys who dropped out of school before graduation. C. S. Anderson. (Pa. Sta. Bul. 374. 1939.) State College.
- Electric milk refrigeration at the farm. J. E. Nicholas and R. U. Blasingame. (Pa. Sta. Bul. 375. 1939.) State College.
- Breeding poultry for viability. D. R. Marble. (Pa. Sta. Bul. 377. 1939.) State College.
- An annotated check list of the parasites of animals in Puerto Rico. H. L. Van Volkenberg. (P. R. Sta. Circ. 22. 1939.) Mayaguez.
- Annual report of the South Dakota Agricultural Experiment Station for the fiscal year ending June 30, 1938. J. W. Wilson et al. [1938.] Brookings.
- Home-preparation of fruits and vegetables for the freezer-locker. H. Carlton. (Tenn. Sta. Bul. 158. 1939.) Knoxville.
- Some body measurements of Texas school children. J. Whitacre. (Tex. Sta. Bul. 567. 1939.) College Station.

An economic study of farm organization and operation in the High Plains Cotton Area of Texas. B. H. Thibodeaux, C. A. Bonnen, and A. C. Magee. (Tex. Sta. Bul. 568. 1939.) College Station.

Pasture improvement in the Gulf Coast Prairie of Texas. R. H. Stansel, E. B. Reynolds, and J. H. Jones. (Tex. Sta. Bul. 570. 1939.) College Station.

Fertilizer statistics for Texas, 1926-1938. G. S. Fraps and T. L. Ogier. (Tex. Sta. Bul. 572. 1939.) College Station.

Commercial feeding stuffs. L. S. Walker, E. F. Boyce, and L. E. Davis. (Vt. Sta. Bul. 443. 1938.) Burlington.

Forty-eighth annual report for the fiscal year ended June 30, 1938. E. C. Johnson et al. (Wash. Sta. Bul. 368. 1938.) Pullman.

Seed flax in eastern Washington. O. E. Barbee and E. G. Schafer. (Wash. Sta. Bul. 370. 1939.) Pullman.

Some things a farmer should know about electricity. H. L. Garver. (Wash. Sta. Pop. Bul. 157. 1939.) Pullman.

Oat mill feed in livestock rations. G. Bohstedt et al. (Wis. Sta. Bul. 441. 1938.) Res. Bul. 135 is more detailed publication on this investigation. Madison.

Oat mill feed, its usefulness and value in livestock rations. A. W. Lathrop et al. (Wis. Sta. Res. Bul. 135. 1938.) Madison.

Ex 6
UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

MAY 20 1939

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Received by the Office of Experiment Stations during April 1939

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

- Sickness and medical care among the negro population in a delta area of Arkansas. I. C. Wilson. (Ark. Sta. Bul. 372. 1939.) Fayetteville.
- Biochemistry and pathology of avitaminosis: III, Enzymic efficiency in deficiency diseases. B. Sure et al. (Ark. Sta. Bul. 373. 1939.) Fayetteville.
- Some effects of manganese on eggshell quality. M. Lyons. (Ark. Sta. Bul. 374. 1939.) Fayetteville.
- Silicon content of wool in relation to dietary silicon. A. R. Patton. (Ark. Sta. Bul. 375. 1939.) Fayetteville.
- Thrips of economic importance in California. S. F. Bailey. (Calif. Sta. Circ. 346. 1938.) Berkeley.
- Toxicity studies with arsenic in eighty California soils. A. S. Crafts and R. S. Rosenfels.- Arsenic fixation in relation to the sterilization of soils with sodium arsenite. R. S. Rosenfels and A. S. Crafts.- Toxicity studies with sodium chlorate in eighty California soils. A. S. Crafts. (Hilgardia [Calif. Sta.], vol. 12, no. 3. 1939.) Berkeley.
- The native elm bark beetle, Hylurgopinus rufipes (Eichhoff), in Connecticut. B. J. Kaston. (Conn. (State) Sta. Bul. 420. 1939.) New Haven.
- Tobacco substation at Windsor, report for 1938. P. J. Anderson, T. R. Swanback, and O. E. Street. (Conn. (State) Sta. Bul. 422. 1939.) New Haven.
- Storrs agricultural experiment station, fiftieth anniversary, 1888-1938. W. L. Slate et al. (Conn. (Storrs) Sta. Bul. 228. 1938.) Storrs.
- Eighteenth annual report, 1937-1938. S. H. Starr. (Ga. Coastal Plain Sta. Bul. 29. 1938.) Tifton.
- Fertilization of apple and prune orchards in Idaho. L. R. Tucker. (Idaho Sta. Bul. 226. 1938.) Moscow.
- Crop rotation studies. G. O. Baker and K. H. W. Klages. (Idaho Sta. Bul. 227. 1938.) Moscow.

- Managing farm flock sheep for greater profit in southern Idaho. C. E. Favre and T. D. Phinney. (Idaho Sta. Bul. 228. 1939.) Moscow.
- Diseases of potatoes in Idaho. J. M. Raeder. (Idaho Sta. Circ. 80. 1938.) Moscow.
- Directions for spraying fruits in Illinois. (Ill. Sta. Circ. 492. 1939.) Urbana.
- Effects of fertilizer applications and other cultural practices on some kernel characteristics of winter wheat. J. T. Sullivan et al. (Ind. Sta. Bul. 432. 1938.) Lafayette.
- Cattle feeding, 1937-1938: Part I, The value of cottonseed meal in a ration of shelled corn, corn silage, and oat straw; Part II, the value of a ration containing ground ear corn and shelled corn; Part III, mixed protein supplements compared to cottonseed meal. J. H. Skinner and F. G. King. (Ind. Sta. Bul. 433. 1938.) Lafayette.
- Inspection of agricultural seeds. H. R. Kraybill et al. (Ind. Sta. Circ. 239. 1938.) Lafayette.
- 25 years stallion enrollment in Indiana. D. O. Thompson, J. H. Skinner, and J. L. Axby. (Ind. Sta. Circ. 240. 1938.) Lafayette.
- Post-war developments in the marketing of butter. W. H. Nicholls. (Iowa Sta. Res. Bul. 250. 1939.) Ames.
- Yield tests and land valuation. W. G. Murray, A. J. Englehorn, and R. A. Griffin. (Iowa Sta. Res. Bul. 252. 1939.) Ames.
- Kansas oil property taxation in relation to farm taxes. L. F. Miller. (Kans. Sta. Circ. 195. 1938.) Manhattan.
- Hybrid corn in Kansas. R. W. Jugenheimer. (Kans. Sta. Circ. 196. 1939.) Manhattan.
- Biennial report of the Northeast Louisiana experiment station, 1937-1938. C. B. Haddon. [1939.] University.
- Field corn in Massachusetts. W. G. Colby and R. W. Donaldson. (Mass. Sta. Bul. 356. 1939.) Amherst.
- Blueberry culture in Massachusetts. J. S. Bailey, H. J. Franklin, and J. L. Kelley. (Mass. Sta. Bul. 358. 1939.) Amherst.
- Meteorological observations for March 1939. C. I. Gunness. (Mass. Sta. Met. Bul. 603. 1939.) Amherst.
- The relative importance of various factors influencing profits in strawberry production. N. D. Peacock. (Mich. Sta. Tech. Bul. 162. 1939.) East Lansing.

Marketing Michigan vegetable crops. H. P. Gaston. (Mich. Sta. Circ. 169. 1939.) East Lansing.

Forty-fifth annual report, Minnesota Agricultural Experiment Station, July 1, 1937 to June 30, 1938. W. C. Coffey. [1938.] University Farm, St. Paul.

Studies on some of the factors involved in the use of sodium arsenite against the Mormon cricket (Anabrus simplex Hald.). E. B. Hastings and J. H. Pepper. (Mont. Sta. Bul. 370. 1939.) Bozeman.

50 years of achievement in agricultural investigation. R. T. Prescott and F. M. Nelson. (Nebr. Sta. Circ. 60. 1939.) Lincoln.

Field comparisons of insecticides for control of the codling moth. J. R. Eyer. (N. Mex. Sta. Bul. 259. 1938.) State College.

Neutralization curves for the humic acids of peat soils. B. D. Wilson and E. V. Staker. (N. Y. (Cornell) Sta. Mem. 219. 1939.) Ithaca.

Fall fertilization of peach trees in the Sandhills. C. F. Williams. (N. C. Sta. Bul. 321. 1939.) State College Station, Raleigh.

Nitrogen fertilization of bearing Elberta peach trees in the Sandhills. C. F. Williams. (N. C. Sta. Bul. 322. 1939.) State College Station, Raleigh.

Grasses and legumes for pasture and hay. W. Whitman, T. E. Stoa, and H. C. Hanson. (N. Dak. Sta. Circ. 64. 1939.) State College Station, Fargo.

Forest fires in Ohio, 1923 to 1935. B. E. Leete. (Ohio Sta. Bul. 598. 1938.) Wooster.

The influence of position isomerism in azo dyes upon their fastness to light and washing. M. E. Griffith and W. R. Brode. (Ohio Sta. Bul. 601. 1939.) Wooster.

The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 197. 1939.) Wooster.

Control of crop nutrition by the method of foliar diagnosis. W. Thomas and W. B. Mack. (Pa. Sta. Bul. 373. 1939.) State College.

Insects and a mite found on cotton in Puerto Rico, with notes on their economic importance and natural enemies. L. C. Fife. (P. R. Sta. Bul. 39. 1939.) Mayaguez.

Snap bean production in South Carolina. J. M. Jenkins, Jr. (S. C. Sta. Circ. 59. 1939.) Clemson.

The utilization of the energy of feed by growing chickens. G. S. Fraps and E. C. Carlyle. (Tex. Sta. Bul. 571. 1939.) College Station.

The control of cotton root rot in the Blackland region of Texas. H. E. Rea. (Tex. Sta. Bul. 573. 1939.) College Station.

Some physiological responses to close pruning of northern white pine. W. R. Adams and M. R. Schneller. (Vt. Sta. Bul. 444. 1939.) Burlington.

Early cut artificially dried hays for dairy cows. O. M. Camburn and C. H. Jones. (Vt. Sta. Bul. 446. 1939.) Burlington.

Methods and machinery for harvesting soybeans. J. W. Sjogren. (Va. Sta. Bul. 319. 1939.) Blacksburg.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

JUL 1 1939 ☆

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The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

Grapes in Arizona. A.H. Finch et al. (Ariz. Sta. Bul. 162. 1939.)
Tucson.

The relationship of stream flow to precipitation on the Salt River watershed above Roosevelt Dam. C. K. Cooperrider and G. G. Sykes. (Ariz. Sta. Tech. Bul. 76. 1938.) Tucson

Certain ecological factors and the cotton plant. B. Johnson and C. H. Wadleigh. (Ark. Sta. Bul. 376. 1939.) Fayetteville.

Biologies of Arkansas rice field mosquitoes. H. H. Schwardt. (Ark. Sta. Bul. 377. 1939.) Fayetteville.

Host organs attacked by bacterial canker of stone fruits. E. E. Wilson and W. B. Hewitt.- Factors affecting development of the bacterial canker of stone fruits. E. E. Wilson.- Some factors affecting the susceptibility of plants to fire blight. H. E. Thomas and P. A. Ark. (Hilgardia [Calif. Sta.] vol. 12, no. 4. 1939.) Berkeley.

The use of chemical data in the prognosis of phosphate deficiency in soils. J. S. Burd and H. F. Murphy.- The rôle of kaolinite in phosphate fixation. H. F. Murphy. (Hilgardia [Calif. Sta.] vol. 12, no. 5. 1939.) Berkeley.

Water conduction from shallow water tables. R. E. Moore.- Soil macrostructure as affected by cultural treatments. R. C. Cole. (Hilgardia [Calif. Sta.] vol. 12, no. 6. 1939.) Berkeley.

Annual report for the year ending October 31, 1938. W. L. Slate. (Conn. (State) Sta. Bul. 421. 1939.) New Haven.

Commercial feeding stuffs, report on inspection, 1938. E. M. Bailey. (Conn. (State) Sta. Bul. 425. 1939.) New Haven.

The effect of degree of base saturation of soils upon the fixation of phosphate and potassium and the availability of phosphorus. G. M. Gilligan. (Del. Sta. Bul. 215. 1938.) Newark.

Fruit jellies: X, The role of pectin; 6, Viscosity of dilute pectin solutions as affected by metallic salts and pH. G. L. Baker and M. W. Goodwin. (Del. Sta. Bul. 216. 1939.) Newark.

- Nailhead spot of tomato caused by Alternaria tomato (Cke.) N. Comb. G. F. Weber. (Fla. Sta. Bul. 332. 1939.) Gainesville.
- A fertility program for celery production on Everglades organic soils. J. R. Beckenbach. (Fla. Sta. Bul. 333. 1939.) Gainesville.
- Dextrose in commercial ice-cream manufacture. W. J. Corbett and P. H. Tracy. (Ill. Sta. Bul. 452. 1939.) Urbana.
- Farm drainage, its maintenance and construction. E. W. Lehmann and T. A. Pitzen. (Ill. Sta. Circ. 493. 1939.) Urbana.
- Root-knot nematode of tomatoes in relation to the Indiana canning crop. G. A. Ficht. (Ind. Sta. Bul. 434. 1939.) Lafayette.
- Why some growers fail and others succeed with the same apple spray program. C. L. Burkholder and G. E. Lehker. (Ind. Sta. Circ. 241. 1939.) Lafayette.
- Curing and storage of alfalfa hay. E. R. Henson. (Iowa Sta. Res. Bul. 251. 1939.) Ames.
- Growth and flowering of the galdiolus, influence of certain morphological and physiological characteristics of the corms. L. C. Grove. (Iowa Sta. Res. Bul. 253. 1939.) Ames.
- Balanced incomplete block and lattice square designs for testing yield differences among large numbers of soybean varieties. M. G. Weiss and G. M. Cox. (Iowa Sta. Res. Bul. 257. 1939.) Ames.
- Fifty-first annual report of the Kentucky Agricultural Experiment Station for the year 1938: Part I, Report of the director. T. P. Cooper. [1939.] Lexington.
- Improving beef cattle pastures on rice lands. C. I. Bray. (La. Sta. Bul. 305. 1939.) University.
- Effect of nitrogen, phosphorus, and potassium in fertilizers on the earliness of cotton. H. B. Brown and H. W. Pope. (La. Sta. Bul. 306. 1939.) University.
- Index to fifty-fourth annual report of the Maine Agricultural Experiment Station, 1937-1938. [1939.] Orono.
- Annual report for the fiscal year ending November 30, 1938. F. J. Sievers et al. (Mass. Sta. Bul. 355. 1939.) Amherst.
- Haying in the rain, a study of grass silage. J. G. Archibald and C. H. Parsons. (Mass. Sta. Bul. 362. 1939.) Amherst.

Meteorological observations for April, 1939. C. I. Gunness. (Mass. Sta. Met. Bul. 604. 1939.) Amherst.

Profitable dairy management. K. T. Wright and A. C. Baltzer. (Mich. Sta. Spec. Bul. 297. 1939.) East Lansing.

Interests of rural people as portrayed in weekly newspapers. C. R. Hoffer. (Mich. Sta. Spec. Bul. 298. 1939.) East Lansing.

A study of the chemistry of incipient oxidation defects in butter. C. R. Barnicoat and L. S. Palmer. (Minn. Sta. Tech. Bul. 134. 1939.) University Farm, St. Paul.

Nutritive value and chemical composition of certain fresh-water plants of Minnesota. J. W. Nelson et al. (Minn. Sta. Tech. Bul. 136. 1939.) University Farm, St. Paul.

Registration, labeling and inspection of commercial fertilizers, 1938. M. F. Miller, L. D. Haigh, and E. W. Cowan. (Mo. Sta. Bul. 403. 1939.) Columbia.

Rapid soil tests for estimating the fertility needs of Missouri soils. L. D. Baver and F. H. Bruner. (Mo. Sta. Bul. 404. 1939.) Columbia.

Some effects of temperature on the growth and chemical composition of certain pasture grasses. E. M. Brown. (Mo. Sta. Res. Bul. 299. 1939.) Columbia.

Establishing the orchard. T. J. Talbert. (Mo. Sta. Circ. 202. 1939.) Columbia.

Controlling the fruit-tree leaf roller. L. Haseman and H. E. Brown. (Mo. Sta. Circ. 203. 1939.) Columbia.

Development and care of lawns. H. F. Major. (Mo. Sta. Circ. 204. 1939.) Columbia.

Farm adjustments in Montana: Study of area VII, its past, present and future. N. W. Johnson. (Mont. Sta. Bul. 367. 1939.) Bozeman.

The utilization of food elements by growing chicks: VII, A comparison of corn and karo in a ration for growing chicks. C. W. Ackerson, M. J. Blish, and F. E. Mussehl. (Nebr. Sta. Res. Bul. 109. 1939.) Lincoln.

Analyses of commercial fertilizers, fertilizer supplies, and home mixtures for 1938. C. S. Cathcart. (N. J. Sta. Bul. 657. 1939.) New Brunswick.

Summary of results of seed and legume inoculant inspection for 1938. J. G. Fiske. (N. J. Sta. Bul. 658. 1938.) New Brunswick.

- Studies on Raritan River pollution, II. W. Rudolfs. (N. J. Sta. Bul. 659. 1939.) New Brunswick.
- The economic situation facing New Jersey vegetable growers. J. W. Carncross and A. G. Waller. (N. J. Sta. Bul. 660. 1939.) New Brunswick.
- The value of fortified cod liver oil in the production of market hogs. W. C. Skelley. (N. J. Sta. Bul. 661. 1939.) New Brunswick.
- Analyses of commercial fertilizers and ground bone; analyses of agricultural lime, 1938. C. S. Cathcart. (N. J. Sta. Bul. 662. 1939.) New Brunswick.
- Milk distribution costs of producer-distributors and subdealers in New Jersey. E. H. Rinear. (N. J. Sta. Bul. 663. 1939.) New Brunswick.
- New Jersey mosquito larvicide. J. M. Ginsburg. (N. J. Sta. Circ. 382. 1939.) New Brunswick.
- Maintaining soil fertility in South Jersey. A. W. Blair. (N. J. Sta. Circ. 383. 1939.) New Brunswick.
- Seed corn treatments. C. M. Haenseler. (N. J. Sta. Circ. 384. 1939.) New Brunswick.
- Diseases of ornamental plants. P. P. Pirone. (N. J. Sta. Circ. 385. 1939.) New Brunswick.
- Grass silage, its place in agriculture, how to make it, how to feed it. C. B. Bender and E. S. Savage. (N. J. Sta. Circ. 386. 1939.) New Brunswick.
- Control of the Japanese beetle on ornamental plants. C. C. Hamilton. (N. J. Sta. Circ. 387. 1939.) New Brunswick.
- Controlling house plant pests. C. C. Hamilton. (N. J. Sta. Circ. 388. 1939.) New Brunswick.
- Dormant season spraying, trees and shrubs. C. C. Hamilton. (N. J. Sta. Circ. 389. 1939.) New Brunswick.
- Some common beetles on roses and other flowering plants. C. C. Hamilton. (N. J. Sta. Circ. 390. 1939.) New Brunswick.
- Suggestions to tomato growers. J. S. Joffe and V. A. Tiedjens. (N. J. Sta. Circ. 391. 1939.) New Brunswick.
- The feed cost of producing eggs in New Jersey in 1938. L. M. Black. (N. J. Sta. Hints to Poultrymen, vol. 26, no. 1. 1938.) New Brunswick.
- The proper handling of hatching eggs and the incubator on the farm. V. Darago. (N. J. Sta. Hints to Poultrymen, vol. 26, no. 2. 1939.) New Brunswick.

- Controlling common scab of the potato on Long Island by the addition of mercury compounds to the fertilizer mixture and the relation of soil reaction to the treatment. H. S. Cunningham and P. H. Wessels. (N. Y. State Sta. Bul. 685. 1939.) Geneva.
- Making maraschino cherries at home. F. A. Lee. (N. Y. State Sta. Circ. 184. 1939.) Geneva.
- The preparation of rhubarb juice. H. G. Beattie and C. S. Pederson. (N. Y. State Sta. Circ. 185. 1939.) Geneva.
- Changes in meat and wool characteristics resulting from the use of purebred mutton rams on native ewes. J. E. Foster and E. H. Hostetler. (N. C. Sta. Tech. Bul. 60. 1939.) State College Station, Raleigh.
- The Bimonthly Bulletin. (N. Dak. Sta. Bimo. Bul. vol. 1, no. 5. 1939.) State College Station, Fargo.
- Current farm economics, Oklahoma. (Okla. Sta. Cur. Farm Econ. vol. 12, no. 2. 1939.) Stillwater.
- Cooperatives in South Dakota. L. M. Brown and R. J. Penn. (S. Dak. Sta. Bul. 328. 1939.) Brookings.
- Farm tenancy in South Dakota. H. P. Hanson. (S. Dak. Sta. Circ. 25. 1939.) Brookings.
- The effect of 1936 flood deposits on Vermont farm lands. D. E. Dunklee and A. R. Midgley. (Vt. Sta. Bul. 445. 1939.) Burlington.
- Truck crop investigations: Placement of fertilizer for Henderson bush lima beans in Virginia. M. M. Parker and G. A. Cumings. (Va. Truck Sta. Bul. 99. 1938.) Norfolk.
- Truck crop investigations: Sweet corn variety tests in relation to corn earworm damage at Norfolk, Virginia. H. G. Walker and L. D. Anderson. (Va. Truck Sta. Bul. 100. 1938.) Norfolk.
- Fruit trees in the Wenatchee-Okanogan District, Washington. W. W. Rufener. (Wash. Sta. Bul. 369. 1939.) Pullman.
- Cooperative purchasing in Washington. E. F. Dummeier. (Wash. Sta. Bul. 371. 1939.) Pullman.
- What's new in farm science: Fifty-fifth annual report for year ended June 30, 1938, part II. N. Clark and N. Hoveland. (Wis. Sta. Bul. 443. 1939.) Madison.
- Forty-eighth annual report of the Wyoming Agricultural Experiment Station, 1937-1938. J. A. Hill. [1939] Laramie.

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UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS

Received by the Office of Experiment Stations during June 1939

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The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

First annual report of the Arizona Fertilizer Control Office, year ending December 31, 1938. W. T. McGeorge, E. O. Foster, and R. D. Taylor. (Ariz. Sta. Bul. 165. 1939.) Tucson.

Composition of common California Foothill plants as a factor in range management. A. Gordon and A. W. Sampson. (Calif. Sta. Bul. 627. 1939.) Berkeley.

Effect of storage, bulb size, spacing, and time of planting on production of onion seed. H. A. Jones and S. L. Emsweller. (Calif. Sta. Bul. 628. 1939.) Berkeley.

Pythium root rot of milo and the development of resistant varieties. J. B. Kendrick and F. N. Briggs. (Calif. Sta. Bul. 629. 1939.) Berkeley.

Looped wire for concrete reinforcement. A. R. Legault. (Colo. Sta. Bul. 452. 1939.) Fort Collins.

Nutritional encephalomalacia in chicks and certain related disorders of domestic birds, a monograph. A. M. Pappenheimer, M. Goettsch, and E. Jungherr. (Conn. (Storrs) Sta. Bul. 229. 1939.) Storrs

Terpene ethers in pyrethrum and rotenone fly sprays. R. L. Pierpont. (Del. Sta. Bul. 217. 1939.) Newark.

Dusting Spanish peanuts with sulphur. N. C. Woodroof and B. B. Higgins. (Ga. Sta. Circ. 117. 1939.) Experiment.

Grasses of the Hawaiian ranges. L. D. Whitney, E. Y. Hosaka, and J. C. Ripperton. (Hawaii Sta. Bul. 82. 1939.) Honolulu.

Report of the Hawaii Agricultural Experiment Station, 1938. L. A. Henke et al. 1939. Honolulu.

High lights in agricultural research in Idaho: Forty-sixth annual report for the year ending December 31, 1938. E. J. Iddings. (Idaho Sta. Bul. 229. 1939.) Moscow.

Some effects of the species and stage of maturity of plants on the forage consumption of grazing steers of various weights. W. P. Garrigus and H. P. Rusk. (Ill. Sta. Bul. 454. 1939.) Urbana.

- Precooling rail shipments of Illinois peaches with special reference to the use of ventilated packages. J. W. Lloyd. (Ill. Sta. Bul. 455. 1939.) Urbana.
- Soybeans, their effect on soil productivity. O. H. Sears. (Ill. Sta. Bul. 456. 1939.) Urbana.
- High-quality eggs for Illinois markets. H. H. Alp. (Ill. Sta. Circ. 494. 1939.) Urbana.
- Farm buildings in relation to farm management in Indiana. L. Robertson. (Ind. Sta. Bul. 435. 1939.) Lafayette.
- Economic study of harvesting with the small combine in Indiana. J. C. Bottum, W. R. Rothenberger, and I. D. Mayer. (Ind. Sta. Bul. 436. 1939.) Lafayette.
- The cost of using farm machinery in Indiana. E. L. Butz and O. G. Lloyd. (Ind. Sta. Bul. 437. 1939.) Lafayette.
- Fifty-first annual report of the [Indiana] Agricultural Experiment Station for the year ending June 30, 1938. J. H. Skinner et al. [1939.] Lafayette.
- Crossbreeding hogs for pork production. J. L. Lush, P. S. Shearer, and C. C. Culbertson. (Iowa Sta. Bul. 380. 1939.) Ames.
- The physical and chemical characteristics of lards and other fats in relation to their culinary value: II, Use in plain cake. B. Lowe and P. M. Nelson. (Iowa Sta. Res. Bul. 255. 1939.) Ames.
- Soybean production in Kansas. J. W. Zahnley. (Kans. Sta. Bul. 282. 1939.) Manhattan.
- Pruning fruit plants. R. J. Barnett and G. A. Filinger. (Kans. Sta. Circ. 197. 1939.) Manhattan.
- Control of sod webworms in lawns. H. H. Jewett. (Ky. Sta. Bul. 391. 1939.) Lexington.
- Results of pasture fertilization at Lafayette, Louisiana. R. H. Lush and J. L. Fletcher. (La. Sta. Bul. 304. 1939.) University.
- Chemical characteristics of the soils of the rice area of Louisiana. J. F. Reed and M. B. Sturgis. (La. Sta. Bul. 307. 1939.) University.
- Seed selection and roguing in the practical control of mosaic disease of sugarcane in Louisiana. M. L. Shaffer. (La. Sta. Bul. 308. 1939.) University.
- Biennial report of the [Louisiana] Fruit & Truck Experiment Station, Hammond, Louisiana, 1937-1938. W. F. Wilson, Jr. [1939.] University.

- Biennial report of the North Louisiana Experiment Station, Calhoun, Louisiana, 1937-1938. S. Stewart. [1939.] University.
- Biennial report of the [Louisiana] Rice Experiment Station, Crowley, Louisiana, 1937-1938. J. M. Jenkins. [1939.] University.
- Food-plant catalogue of the aphids of the world, including the Phylloxeridae. E. M. Patch. (Maine Sta. Bul. 393. 1938.) Orono.
- Performance analysis of selected types of kerosene stoves. M. M. Monroe. (Maine Sta. Bul. 394. 1939.) Orono.
- Commercial agricultural seeds, 1938. G. P. Steinbauer. (Maine Sta. Off. Insp. 170. 1938.) Orono.
- Farm storages for New England apples. C. I. Gunness, W. R. Cole, and O. C. Roberts. (Mass. Sta. Bul. 360. 1939.) Amherst.
- Meteorological observations for May 1939. C. I. Gunness. (Mass. Sta. Met. Bul. 605. 1939.) Amherst.
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- Effect of heat on milk with especial reference to the cooked flavor. I. A. Gould, Jr., and H. H. Sommer. (Mich. Sta. Tech. Bul. 164. 1939.) East Lansing.
- The Quarterly Bulletin. (Mich. Sta. Quart. Bul. vol. 21, no. 4. 1939.) East Lansing.
- Fifty-first annual report of the [Michigan] Agricultural Experiment Station for the year ended June 30, 1938. V. R. Gardner. [1939.] East Lansing.
- Death and crippling in livestock marketing. A. A. Dowell and R. J. Eggert. (Minn. Sta. Bul. 342. 1939.) University Farm, St. Paul.
- Studies of inheritance in crosses between Bond, Avena byzantina, and varieties of A. sativa. H. K. Hayes, M. B. Moore, and E. C. Stakman. (Minn. Sta. Tech. Bul. 137. 1939.) University Farm, St. Paul.
- Growing sweetpotatoes in the Yazoo-Mississippi Delta. E. A. Currey. (Miss. Sta. Bul. 327. 1939.) State College.
- Mutants and linkage studies in Triticum monococcum and T. aegilopoides. L. Smith. (Mo. Sta. Res. Bul. 298. 1939.) Columbia.
- Consumer demand in Missouri for selected articles of clothing. J. V. Coles. (Mo. Sta. Res. Bul. 300. 1939.) Columbia.

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J. V. Coles. (Mo. Sta. Res. Bul. 301. 1939.) Columbia.

Farm population mobility in selected Montana communities. C. F. Kraenzel,
(Mont. Sta. Bul. 371. 1939.) Bozeman.

Farm mortgage loan experience in central Montana, a study of the important
factors associated with good or bad mortgage loan experience. P. S.
Eckert and O. H. Maughan. (Mont. Sta. Bul. 372. 1939.) Bozeman.

The vitamin content of green string beans when cooked or canned and stored.
H. L. Mayfield and J. E. Richardson. (Mont. Sta. Bul. 373. 1939.)
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The effects of stinking smut (bunt) and seed treatment upon the yield of
winter wheat. T. A. Kiesselbach and W. E. Lyness. (Nebr. Sta. Res.
Bul. 110. 1939.) Lincoln.

Further studies of selected types of domestic gas stoves. A. E. Baragar.
(Nebr. Sta. Res. Bul. 111. 1939.) Lincoln.

Effect of soil type, slope, and surface conditions on intake of water.
F. L. Duley and L. L. Kelly. (Nebr. Sta. Res. Bul. 112. 1939.)
Lincoln.

Fifty-second annual report of the Agricultural Experiment Station of
Nebraska, 1938. W. W. Burr. 1939. Lincoln.

Protein requirements of chickens at various stages of growth and development.
A. E. Tepper, R. C. Durgin, and T. B. Charles. (N. H. Sta. Bul. 312.
1939.) Durham.

Some effects of potassium and nitrogen on the composition of the tomato
plant. T. G. Phillips, T. O. Smith, and J. R. Hepler. (N. H. Sta.
Tech. Bul. 73. 1939.) Durham.

Economic studies of vegetable farming in New York: VI, Production and
marketing of celery, 1936. J. N. Efferson. (N. Y. (Cornell) Sta.
Bul. 715. 1939.) Ithaca.

Downy mildew of spinach and its control. M. C. Richards. (N. Y. (Cornell)
Sta. Bul. 718. 1939.) Ithaca.

Joint correlation applied to the quality and price of McIntosh apples.
J. R. Raeburn. (N. Y. (Cornell) Sta. Mem. 220. 1939.) Ithaca.

Leguminous plants and their associated organisms. J. K. Wilson. (N. Y.
(Cornell) Sta. Mem. 221. 1939.) Ithaca.

The effect of sulfur fungicides on the photosynthesis and respiration of
apple leaves. R. A. Hyre. (N. Y. (Cornell) Sta. Mem. 222. 1939.)
Ithaca.

- The effect of temperature and relative humidity on the powdery mildew of roses. K. Longrée. (N. Y. (Cornell) Sta. Mem. 223. 1939.) Ithaca.
- Studies on narcissus mosaic. F. A. Haasis. (N. Y. (Cornell) Sta. Mem. 224. 1939.) Ithaca.
- Quality of North Carolina cotton, 1928-1936. W. B. Lanham, G. R. Smith, and R. H. Raper. (N. C. Sta. Bul. 323. 1939.) State College Station, Raleigh.
- Spraying program and pest control for fruit crops. (Ohio Sta. Bul. 599. 1939.) Wooster.
- Ohio agricultural statistics, 1937. G. S. Ray, O. M. Frost, and P. P. Wall-rabenstein. (Ohio Sta. Bul. 602. 1939.) Wooster.
- Growing plants in nutrient solution. L. J. Alexander, V. H. Morris, and H. C. Young. (Ohio Sta. Spec. Circ. 56. 1939.) Wooster.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 198. 1939.) Wooster.
- Climatic conditions and suggested cropping systems for northwestern Oklahoma. H. A. Daniel and H. H. Finnell. (Okla. Sta. Circ. 83. 1939.) Still-water.
- Farm practices and management in central Pennsylvania. J. E. McCord. (Pa. Sta. Bul. 379. 1939.) State College.
- Comparative digestibility of soft curd milks in vitro. F. J. Doan and C. C. Flora. (Pa. Sta. Bul. 380. 1939.) State College.
- Dry skimmilk in rations for growing, laying and breeding fowls. W. H. Ott, H. C. Knandel, and R. V. Boucher. (Pa. Sta. Bul. 381. 1939.) State College.
- Farming possibilities in Horry County, South Carolina. O. Steanson, M. H. Sutherland, and M. C. Rochester. (S. C. Sta. Bul. 318. 1939.) Clemson.
- Tests of corn varieties and hybrids in Utah. R. W. Woodward, D. C. Tingey, and R. J. Evans. (Utah Sta. Bul. 287. 1939.) Logan.
- Finishing rations for turkeys. E. I. Robertson, J. S. Carver, and J. W. Cook. (Wash. Sta. Bul. 372. 1939.) Pullman.
- Washington country weekly newspapers, their distribution and characteristics, 1902-1938. C. F. Reuss. (Wash. Sta. Bul. 373. 1939.) Pullman.

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LIST OF STATION PUBLICATIONS

Received by the Office of Experiment Stations during July 1939

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Arizona's farm laborers. E. D. Tetreau. (Ariz. Sta. Bul. 163. 1939.)
Tucson.

Composition and characteristics of the agricultural population in California.
G. M. Peterson. (Calif. Sta. Bul. 630. 1939.) Berkeley.

The soil characteristics of Connecticut land types. M. F. Morgan. (Conn.
(State) Sta. Bul. 423. 1939.) New Haven.

Chemical investigations of the rhubarb plant. H. B. Vickery et al. (Conn.
(State) Sta. Bul. 424. 1939.) New Haven.

The soils of Florida. J. R. Henderson. (Fla. Sta. Bul. 334. 1939.)
Gainesville.

Some symptoms of citrus malnutrition in Florida. A. F. Camp and B. R. Fudge.
(Fla. Sta. Bul. 335. 1939.) Gainesville.

Processing of the macadamia. R. H. Moltzau and J. C. Ripperton. (Hawaii
Sta. Bul. 83. 1939.) Honolulu.

Teaching dairy-cattle selection. W. B. Nevens and A. F. Kuhlman. (Ill. Sta.
Circ. 495. 1939.) Urbana.

The farmer looks at soil conservation in southern Iowa. A. C. Bunce. (Iowa
Sta. Bul. 381. 1939.) Ames.

Four wireworms found in bluegrass sod. H. H. Jewett. (Ky. Sta. Bul. 392.
1939.) Lexington.

Bacterial wilt and soft rot of the potato in Maine. R. Bonde. (Maine Sta.
Bul. 396. 1939.) Orono.

The effect of feeding a vitamin A supplement to dairy cattle. J. G. Archibald
and C. H. Parsons. (Mass. Sta. Bul. 357. 1939.) Amherst.

Factors affecting fertility in Rhode Island Reds. F. A. Hays and R. Sanborn.
(Mass. Sta. Bul. 359. 1939.) Amherst.

Milk cartage in the Southwick-Agawam area of the Springfield milkshed. A. A.
Brown and J. E. Donley. (Mass. Sta. Bul. 363. 1939.) Amherst.

- Meteorological observations for June 1939. C. I. Gunness. (Mass. Sta. Met. Bul. 606. 1939.) Amherst.
- Formulas for finding estimates for two and three missing plots in randomized block layouts. W. D. Baten. (Mich. Sta. Tech. Bul. 165. 1939.) East Lansing.
- Common native shrubs of Mississippi for landscape plantings. F. S. Batson. (Miss. Sta. Circ. (Mimeo.) 100. 1939.) State College.
- Evaluating annual changes in soil productivity. A. W. Klemme and O. T. Coleman. (Mo. Sta. Bul. 405. 1939.) Columbia.
- Grasshopper outbreaks in Missouri. G. D. Jones. (Mo. Sta. Bul. 406. 1939.) Columbia.
- Artificial insemination of dairy cows. H. A. Herman and A. C. Ragsdale. (Mo. Sta. Bul. 407. 1939.) Columbia.
- Effect of organic matter decomposition on the solubility and fixation of phosphorus in alkaline soils: H. F. Rhoades. (Nebr. Sta. Res. Bul. 113. 1939.) Lincoln.
- Forty-ninth annual report of the New Mexico Agricultural Experiment Station for the fiscal year ended June 30, 1938. F. Garcia. [1938.] State College.
- Apple orchards, cost of developing, values, and financial returns. G. P. Scoville. (N. Y. (Cornell) Sta. Bul. 717. 1939.) Ithaca.
- A trial of new varieties of hops for New York. J. D. Harlan. (N. Y. State Sta. Bul. 687. 1939.) Geneva.
- Bimonthly Bulletin. (N. Dak. Sta. Bimo. Bul. vol. I, no. 6. 1939.) State College Station, Fargo.
- Timothy culture. M. W. Evans, F. A. Welton, and R. M. Salter. (Ohio Sta. Bul. 603. 1939.) Wooster.
- Current farm economics, Oklahoma. (Okla. Sta. Cur. Farm Econ. vol. 12, no. 3. 1939.) Stillwater.
- Fifty-first annual report of the Rhode Island Agricultural Experiment Station for the fiscal year ending June 30, 1938. B. E. Gilbert. 1939. Kingston.
- Farm family diets in the lower coastal plains of South Carolina. A. M. Moser. (S. C. Sta. Bul. 319. 1939.) Clemson.
- An analytical study of a rural school area. H. L. Fulner. (S. C. Sta. Bul. 320. 1939.) Clemson.

Effects of certain treatments on the carbohydrate reserves of asparagus crowns.
L. E. Scott, J. H. Mitchell, and R. A. McGinty. (S. C. Sta. Bul. 321.
1939.) Clemson.

Basic trends of social change in South Dakota: I, Population tendencies.
W. F. Kumlien. (S. Dak. Sta. Bul. 327. 1939.) Brookings.

A study of sorghums with reference to the content of HCN. C. J. Franzke,
L. F. Puhr, and A. N. Hume. (S. Dak. Sta. Tech. Bul. 1. 1939.)
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Selenium in rocks, soils, and plants. A. L. Moxon, O. E. Olson, and W. V.
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Abstracts of Bulletins 558-566, Circulars 81-82, and other publications during
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Social conditions in the Delta area, Utah. J. A. Geddes, C. D. Fredrickson,
and E. C. Bergeson. (Utah Sta. Bul. 288. 1939.) Logan.

Annual summary of publications. (Utah Sta. Circ. 112. 1939.) Logan.

Commercial feeding stuffs. L. S. Walker, E. F. Boyce, and L. E. Davis.
(Vt. Sta. Bul. 447. 1939.) Burlington.

Baits and bait traps in codling moth control. M. L. Bobb, A. M. Woodside,
and R. N. Jefferson. (Va. Sta. Bul. 320. 1939.) Blacksburg.

Fishy flavor in turkey meat caused by feeding menhaden fish meal. R. L.
Bryant and G. T. Stevenson. (Va. Sta. Bul. 321. 1939.) Blacksburg.

Flue-cured tobacco farm management. F. L. Underwood. (Va. Sta. Tech. Bul.
64. 1939.) Blacksburg.

Timothy hay compared with alfalfa hay as a feed for dairy cows; Supplemental
factors influencing the milk-producing value of alfalfa hay and timothy
hay in feeding dairy cows. C. W. Holdaway et al. (Va. Sta. Tech. Bul.
65. 1939.) Blacksburg.

Poisonous plants and livestock poisoning. O. A. Beath et al. (Wyo. Sta.
Bul. 231. 1939.) Laramie.

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Received by the Office of Experiment Stations during August 1939.

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The postoffice address of the station is given at the end of each entry.

- First annual report of the Arizona feed control office, year ending December 31, 1938. W. T. McGeorge, E. O. Foster, and R. D. Taylor. (Ariz. Sta. Bul. 164. 1939.) Tucson.
- Small grain varieties for northern Arizona. A. T. Bartel and I. A. Briggs. (Ariz. Sta. Bul. 166. 1939.) Tucson.
- Factors affecting the recovery of hydrocyanic acid from fumigated citrus tissues. E. T. Bartholomew, W. B. Sinclair, and B. E. Janes. (Hilgardia [Calif. Sta.], vol. 12, no. 7. 1939.) Berkeley.
- Economics of sugar beet production in Colorado. R. T. Burdick. (Colo. Sta. Bul. 453. 1939.) Fort Collins.
- Colorado Farm Bulletin. (Colo. Sta. Colo. Farm Bul., vol. 1, no. 2. 1939.) Fort Collins.
- Colorado Farm Bulletin. (Colo. Sta. Colo. Farm Bul., vol. 1, no. 3. 1939.) Fort Collins.
- Infectious bovine mastitis: 7, Characteristics of udder staphylococci. W. N. Plastridge et al. (Conn. (Storrs) Sta. Bul. 231. 1939.) Storrs.
- Protein supplements for swine. Z. A. Massey. (Ga. Sta. Circ. 118. 1939.) Experiment.
- Markets and market preferences for Idaho potatoes. O. L. Mimms and G. W. Woodbury. (Idaho Sta. Bul. 231. 1939.) Moscow.
- Soils and Crops Experiment Farm, report of progress, 1915-1938. A. T. Wiancko, R. R. Mulvey and S. R. Miles. (Ind. Sta. Circ. 242. 1939.) Lafayette.
- Bedford Experiment Field (Moses Fell Annex.), report of progress, 1916-1938. A. T. Wiancko, G. P. Walker and H. G. Hall. (Ind. Sta. Circ. 243. 1939.) Lafayette.
- Jennings County Experiment Field, report of progress, 1921-1938. A. T. Wiancko, G. P. Walker and C. Robbins. (Ind. Sta. Circ. 244. 1939.) Lafayette.

- Herbert Davis Forestry Farm soils and crop experiments, report of progress 1923-1938. A. T. Wiancko et al. (Ind. Sta. Circ. 245. 1939.) Lafayette.
- Huntington Experiment Field, report of progress, 1919-1938. A. T. Wiancko, G. P. Walker and S. E. Ervin. (Ind. Sta. Circ. 246. 1939.) Lafayette.
- Sand Experiment Field, report of progress, 1924-1938. A. T. Wiancko, G. P. Walker and C. Warran. (Ind. Sta. Circ. 247. 1939.) Lafayette.
- Pinney-Purdue Experiment Fields, report of progress, 1920-1938. A. T. Wiancko et al. (Ind. Sta. Circ. 248. 1939.) Lafayette.
- Commercial feeding stuffs. H. R. Kraybill et al. (Ind. Sta. Circ. 249. 1939.) Lafayette.
- Relation of root reserves to control of European bindweed Convolvulus arvensis L. A. L. Bakke, W. G. Gaessler and W. E. Loomis. (Iowa Sta. Res. Bul. 254. 1939.) Ames.
- Slow acid production by butter cultures. F. E. Nelson, L. A. Harriman and B. W. Hammer. (Iowa Sta. Res. Bul. 256. 1939.) Ames.
- Cost and utilization of power and labor on Iowa farms. W. D. Goodsell. (Iowa Sta. Res. Bul. 258. 1939.) Ames.
- Experiments on the control of European bindweed (Convolvulus arvensis L.) A. L. Bakke. (Iowa Sta. Res. Bul. 259. 1939.) Ames.
- Differences in Iowa farms and their significance in the planning of agricultural programs. W. W. Wilcox and N. V. Strand. (Iowa Sta. Res. Bul. 260. 1939.) Ames.
- Post-war developments in the marketing of cheese. W. H. Nicholls. (Iowa Sta. Res. Bul. 261. 1939.) Ames.
- Inspection, certification, and transportation of nursery stock in Kentucky, with a brief report for the year ending June 30, 1938. W. A. Price and H. G. Tilson. (Ky. Sta. Reg. Ser. Bul. 17. 1938.) Lexington.
- An economic study of milk distribution in Maine markets. G. F. Dow. (Maine Sta. Bul. 395. 1939.) Orono.
- An economic study of land utilization in the tobacco area of Southern Maryland. J. W. Coddington and D. E. Derr. (Md. Sta. Bul. 424. 1939.) College Park.
- Variety and strain trials of Alaska and sweet types of peas for canning in Maryland. C. H. Mahoney et al. (Md. Sta. Bul. 425. 1939.) College Park.
- An economic study of the hatchery industry in Maryland. P. R. Poffenberger and S. H. DeVault. (Md. Sta. Bul. 426. 1939.) College Park.
- Ascorbic acid (vitamin C) in tomatoes and tomato products. W. A. MacLinn and C. R. Fellers. (Mass. Sta. Bul. 354. 1938.) Amherst.

- Control of tomato leaf mold in greenhouses. E. F. Guba. (Mass. Sta. Bul. 361. 1939.) Amherst.
- The significance of body weight in breeding for egg production. F. A. Hays. (Mass. Sta. Bul. 364. 1939.) Amherst.
- Product-costs of milk to dealers in the Springfield area, 1935. A. A. Brown and J. E. Donley. (Mass. Sta. Bul. 365. 1939.) Amherst.
- Nineteenth annual report on eradication of pullorum disease in Massachusetts. (Mass. Sta. Control Ser. Bul. 98. 1939.) Amherst.
- Soil management for potatoes. G. M. Grantham, C. E. Millar, and A. H. Mick. (Mich. Sta. Spec. Bul. 299. 1939.) East Lansing.
- Studies of the eastern ruffed grouse in Michigan (Bonasa umbellus umbellus.) L. W. Fisher. (Mich. Sta. Tech. Bul. 166. 1939.) East Lansing.
- The Quarterly Bulletin. (Mich. Sta. Quart. Bul. vol. 22, no. 1. 1939.) East Lansing.
- Insects infesting stored foods. H. H. Shepard. (Minn. Sta. Bul. 341. 1939.) University Farm, St. Paul.
- Timber farming in the Cloquet District. J. H. Allison and R. N. Cunningham. (Minn. Sta. Bul. 343. 1939.) University Farm, St. Paul.
- Montana seed law (as amended 1939) rules and regulations: Regulations for seed testing at the Montana Grain Inspection Laboratory. J. T. Sparling, and W. O. Whitcomb. (Mont. Sta. Circ. 155. 1939.) Bozeman.
- The agricultural conservation program in New Hampshire. H. C. Woodworth, V. H. Smith, and E. Rauchenstein. (N. H. Sta. Bul. 314. 1939.) Durham.
- Bovine mastitis, cause, detection and control. L. W. Slanetz, C. L. Martin and K. S. Morrow. (N. H. Sta. Circ. 55. 1939.) Durham.
- Relation of market quality to the price received for Long Island cauliflower. J. D. Hartman. (N. Y. (Cornell) Sta. Bul. 716. 1939.) Ithaca.
- Relation of size of cow to production and cost of production of milk on 94 grade A farms in the Tully-Homer area. E. G. Misner. (N. Y. (Cornell) Sta. Bul. 719. 1939.) Ithaca.
- An economic study of land utilization in Chautauqua County, New York. A. Joss. (N. Y. (Cornell) Sta. Bul. 720. 1939.) Ithaca.
- An economic study of fruit and vegetable wholesaling and jobbing firms in New York City. T. N. Gearreald. (N. Y. (Cornell) Sta. Bul. 721. 1939.) Ithaca.
- Soybeans as a source of fat in the dairy ration. L. A. Maynard, K. E. Gardner, and A. Hodson. (N. Y. (Cornell) Sta. Bul. 722. 1939.) Ithaca.

- The culinary quality of apples as determined by the use of New York State varieties. M. C. Pfund. (N. Y. (Cornell) Sta. Mem. 225. 1939.) Ithaca.
- Some comparisons between analyses of narrative and film records of behavior and guidance of children. E. B. Waring, F. M. Dwyer, and E. Junkin. (N. Y. (Cornell) Sta. Mem. 226. 1939.) Ithaca.
- Yellow sweet corn hybrids for New York. W. D. Enzie. (N. Y. State Sta. Bul. 686. 1939.) Geneva.
- Damping-off control. J. G. Horsfall. (N. Y. State Sta. Circ. 186. 1939.) Geneva.
- Rural youth in North Carolina, a study of three selected areas. R. M. Williams. (N. C. Sta. Bul. 324. 1939.) State College Station, Raleigh.
- Production of firm pork from peanut-fed pigs. E. H. Hostetler, J. O. Halverson and F. W. Sherwood. (N. C. Sta. Tech Bul. 61. 1939.) State College Station, Raleigh.
- Sixty-first annual report of the North Carolina Agricultural Experiment Station for the fiscal year ending June 30, 1938; progress report for the year ending December 1, 1938. I. O. Schaub. [1939] State College Station, Raleigh.
- Exchange of certain alternative stable characters in crosses between dent and flint corn. P. F. Olson. (N. Dak. Sta. Bul. 291. 1939.) State College Station, Fargo.
- The ice well refrigerator. H. F. McColly. (N. Dak. Sta. Circ. 65. 1939.) State College Station, Fargo.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 199. 1939.) Wooster.
- Tankage, a protein supplement for fattening beef calves. J. W. Wilson and T. Wright. (S. Dak. Sta. Bul. 329. 1939.) Brookings.
- Cereal grains in turkey rations. W. E. Poley and W. O. Wilson. (S. Dak. Sta. Bul. 330. 1939.) Brookings.
- Factors affecting the composition of milk. D. H. Jacobsen and G. C. Wallis. (S. Dak. Sta. Bul. 331. 1939.) Brookings.
- Types of farming in Tennessee. B. H. Luebke et al. (Tenn. Sta. Bul. 169. 1939.) Knoxville.
- Prickly pear eradication and control. W. H. Dameron, and H. P. Smith. (Tex. Sta. Bul. 575. 1939.) College Station.
- Suggested formulas for special-purpose mixed feeds. F. D. Fuller. (Tex. Sta. Circ. 84. 1939.) College Station.

Truck crop investigations: Placement of fertilizer for spinach, kale, and collards. M. M. Parker et al. (Va. Truck Sta. Bul. 101. 1938.) Norfolk.

Truck crop investigation: The European corn borer on the Eastern Shore of Virginia. D. W. Jones, H. G. Walker, and L. D. Anderson. (Va. Truck Sta. Bul. 102. 1939.) Norfolk.

Farming systems and practices and their relationship to soil conservation and farm income in the wheat region of Washington. B. H. Pubols, A. E. Orr and C. P. Heisig. (Wash. Sta. Bul. 374. 1939.) Pullman.

Certain economic aspects of agriculture in the Jackson County Soil-conservation area. E. C. Weitzell. (W. Va. Sta. Bul. 291. 1939.) Morgantown.

Canning peas in Wisconsin. E. J. Delwiche et al. (Wis. Sta. Bul. 444. 1939.) Madison.

The irradiation of milk. K. G. Weckel and H. C. Jackson. (Wis. Sta. Res. Bul. 136. 1939.) Madison.

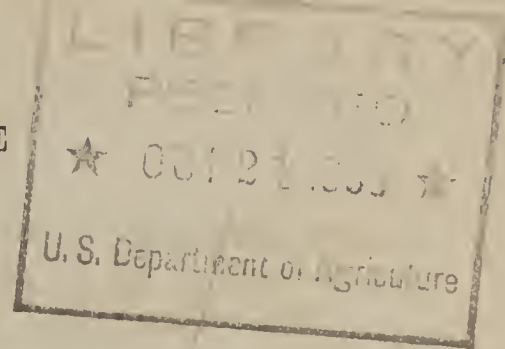
Breastbones of turkeys in relation to roosting. M. O. North. (Wyo. Sta. Bul. 232. 1939.) Laramie

Phosphorus in Wyoming pasture, hay, and other feeds. O. C. McCreary. (Wyo. Sta. Bul. 233. 1939.) Laramie.

The cellar wintering of bees. C. H. Gilbert. (Wyo. Sta. Bul. 234. 1939.) Laramie.

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Relative water requirement of Arizona range plants. W. G. McGinnies and J. F. Arnold. (Ariz. Sta. Tech. Bul. 80. 1939.) Tucson.

The development and use of the bone filter for removing flourine from drinking water. H. V. Smith and W. B. Davey. (Ariz. Sta. Tech. Bul. 81. 1939.) Tucson.

Forty-ninth annual report of the Arizona Agricultural Experiment Station for the year ending June 30, 1938. R. S. Hawkins. 1939. Tucson.

Response of American grapes to various treatments and vineyard practices. J. R. Cooper and J. E. Vaile. (Ark. Sta. Bul. 378. 1939.) Fayetteville.

Grape varieties in Arkansas. J. E. Vaile. (Ark. Sta. Bul. 379. 1939.) Fayetteville.

Influence of rainfall, cropping, and cultural methods on soil and water losses. R. P. Bartholomew et al. (Ark. Sta. Bul. 380. 1939.) Fayetteville.

Apparatus for measurements of lengths of cotton fibers. B. Johnson. (Ark. Sta. Bul. 381. 1939.) Fayetteville.

Timing seasonal occurrence and abundance of the codling moth. D. Isely. (Ark. Sta. Bul. 382. 1939.) Fayetteville.

Effects of fertilizer on stem rot of rice. E. M. Cralley. (Ark. Sta. Bul. 383. 1939.) Fayetteville.

Sorghums in Colorado. J. F. Brandon, J. J. Curtis, and D. W. Robertson. (Colo. Sta. Bul. 449. 1939.) Fort Collins.

Studies of suburbanization in Connecticut: 3, Wilton, a rural town near metropolitan New York. N. L. Whetten. (Conn. (Storrs) Sta. Bul. 230. 1939.) Storrs.

Farming conditions in Toombs County, Georgia. J. C. Elrod and O. Steanson. (Ga. Sta. Bul. 202. 1939.) Experiment.

- Composition of milk of Brown Swiss cows, with summary of data on the composition of milk from cows of other dairy breeds. O. R. Overman et al. (Ill. Sta. Bul. 457. 1939.) Urbana.
- Assessment and collection of farm real estate taxes in Kansas. H. Howe and L. F. Miller. (Kans. Sta. Bul. 283. 1939.) Manhattan.
- Woodlands of Kansas. E. R. Ware and L. F. Smith. (Kans. Sta. Bul. 285. 1939.) Manhattan.
- Equipment for swine production. B. M. Anderson and V. R. Hillman. (Kans. Sta. Bul. 286. 1939.) Manhattan.
- Nitrogen and organic carbon of soils as influenced by cropping systems and soil treatments. W. H. Metzger. (Kans. Sta. Tech. Bul. 45. 1939.) Manhattan.
- The production and marketing of honey in Maryland. R. F. Burdette and S. H. DeVault. (Md. Sta. Bul. 427. 1939.) College Park.
- Keys to the species of Ribes occurring in the Great Lakes region. H. T. Darlington and L. B. Culver. (Mich. Sta. Circ. 170. 1939.) East Lansing.
- A study of the consumption of fats and oils in Minneapolis, 1938. W. C. Waite and R. W. Cox. (Minn. Sta. Bul. 344. 1939.) University Farm, St. Paul.
- Spraying apples for the prevention of fruit set. P. H. Shepard. (Mo. Fruit Sta. Circ. 28. 1939.) Mountain Grove.
- Personality development in farm, small-town, and city children. L. H. Stott. (Nebr. Sta. Res. Bul. 114. 1939.) Lincoln.
- Agricultural research in New Hampshire: Annual report of the director of New Hampshire Agricultural Experiment Station for the year 1938. J. C. Kendall. (N. H. Sta. Bul. 313. 1939.) Durham.
- Some effects of potassium and nitrogen on the composition of the tomato plant. T. G. Phillips, T. O. Smith, and J. R. Hepler. (N. H. Sta. Tech. Bul. 73. 1939.) Durham.
- Corn investigations in New Mexico. G. Staten, D. R. Burnham, and John Carter, Jr. (N. Mex. Sta. Bul. 260. 1939.) State College.
- Dry-farming investigations at the Mosquero, N. M., Experimental Field. John Carter, Jr. (N. Mex. Sta. Bul. 265. 1939.) State College.
- Wax emulsions for vegetables. H. Platenius. (N. Y. (Cornell) Sta. Bul. 723. 1939.) Ithaca.
- The Bimonthly Bulletin. (N. Dak. Sta. Bimo. Bul. vol. 2, no. 1. 1939.) State College Station, Fargo.

The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 200. 1939.) Wooster.

Physiological factors affecting milk flavor, with a consideration of the validity of flavor scores. E. Weaver. (Okla. Sta. Tech. Bul. 6. 1939.) Stillwater.

Control of shade tree borers. F. A. Fenton. (Okla. Sta. Circ. 84. 1939.) Stillwater.

Quality of wheat varieties grown in Oklahoma in 1938. F. T. Dines. (Okla. Sta. Circ. 85. 1939.) Stillwater.

Current farm economics, Oklahoma. (Okla. Sta. Cur. Farm Econ., vol. 12, no. 4. 1939.) Stillwater.

Inspection of feeds and fertilizers. W. L. Adams and T. Wright, Jr. (R. I. Sta. Ann. Feed and Fert. Circ. 1938.) Kingston.

The Mexican bean beetle in South Carolina. F. Sherman and J. N. Todd. (S. C. Sta. Bul. 322. 1939.) Clemson.

The probable economic effects of a homestead exemption act on public revenues in South Carolina. G. H. Aull. (S. C. Sta. Bul. 323. 1939. Clemson.

Drying hay in the barn and testing its feeding value. J. W. Weaver, Jr. and C. E. Wylie. (Tenn. Sta. Bul. 170. 1939.) Knoxville.

The origin of Indian corn and its relatives. P. C. Mangelsdorf and R. G. Reeves. (Tex. Sta. Bul. 574. 1939.) College Station.

Lengthening the storage period of cucumbers. J. Whitacre, L. R. Hawthorn, and S. H. Yarnell. (Tex. Sta. Bul. 576. 1939.) College Station.

Business analysis of farms in Utah County, Utah. W. U. Fuhrman and W. P. Thomas. (Utah Sta. Bul. 289. 1939.) Logan.

Phosphate in Utah. J. S. Williams. (Utah Sta. Bul. 290. 1939.) Logan.

Economic conditions and problems of agriculture in the Yakima Valley, Washington: The agriculture and its setting. E. B. Hurd and H. F. Hollands. (Wash. Sta. Bul. 377. 1939.) Pullman.

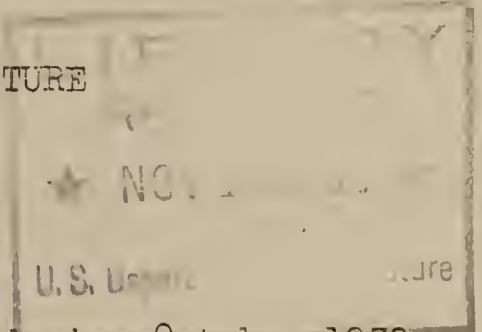
The drought farmer adjusts to the west. (Series in rural population, no. 4.) R. Wakefield and P. H. Landis. (Wash. Sta. Bul. 378. 1939.) Pullman.

Control of rots of apples. F. D. Heald. (Wash. Sta. Pop. Bul. 158. 1939.) Pullman.

Types of farming in West Virginia. W. W. Armentrout and T. D. Johnson. (W. Va. Sta. Bul. 292. 1939.) Morgantown.

Economic implications of soil conservation in Marshall County. E. C. Weitzell. (W. Va. Sta. Bul. 293. 1939.) Morgantown.

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Physical and chemical properties of California honey: J. E. Eckert and H. W. Allinger. (Calif. Sta. Bul. 631. 1939.) Berkeley.

The potato and tomato psyllid and its control on tomatoes. G. M. List. (Colo. Sta. Bul. 454. 1939.) Fort Collins.

Colorado Farm Bulletin. (Colo. Sta. Colo. Farm Bul., vol. 1, no. 4. 1939.) Fort Collins.

The forty-third report on food products and the thirty-first report on drug products, 1938. E. M. Bailey. (Conn. (State) Sta. Bul. 426. 1939.) New Haven.

Connecticut State entomologist, thirty-eighth report, 1938. W. E. Britton. (Conn. (State) Sta. Bul. 428. 1939.) New Haven.

Stark County soils. Eric Winters, Jr., R. S. Smith, and L. H. Smith. (Ill. Sta. Soil Rpt. 64. 1939.) Urbana.

Boone County soils. H. Wascher, R. S. Smith, and L. H. Smith. (Ill. Sta. Soil Rpt. 65. 1939.) Urbana.

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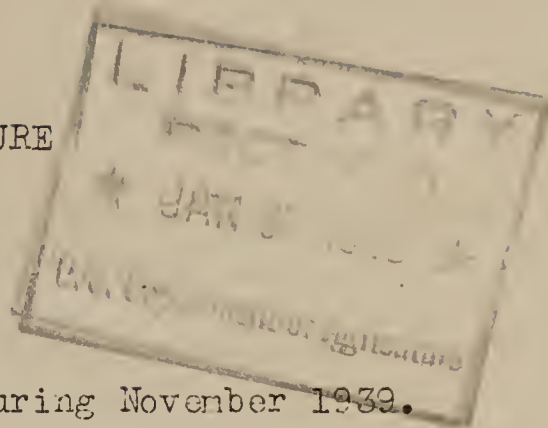
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- Farm manure. R. M. Salter and C. J. Schollenberger. (Ohio Sta. Bul. 605. 1939.) Wooster.
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UNITED STATES DEPARTMENT OF AGRICULTURE
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- Colorado's poisonous and injurious plants. L. W. Durrell and I. E. Newsom.
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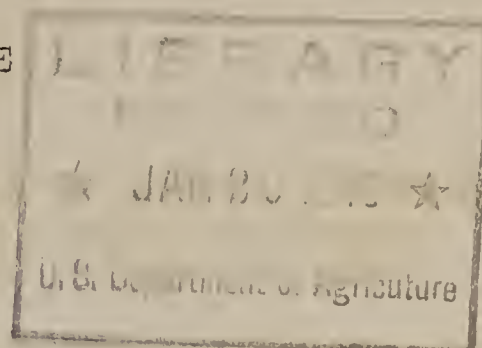
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- Incomes and expenditures of 299 Vermont village families. M. Muse and M. E.
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- Barley production in Washington. O. E. Barbee. (Wash. Sta. Bul. 382. 1939.)
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- The composition of different skeletal parts of experimental animals. C. E.
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- Raising dairy calves and heifers. H. O. Henderson and G. Heebink. (W. Va.
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- The making of processed cheese. H. H. Sommer and H. L. Templeton. (Wis. Sta.
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- Factors influencing the availability of native soil phosphate and phosphate fertilizers in Arizona soils. W. T. McGeorge. (Ariz. Sta. Tech. Bul. 82. 1939.) Tucson.
- Creep-feeding of spring lambs. R. F. Miller. (Calif. Sta. Circ. 348. 1939.) Berkeley.
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- Seasonal water and nitrate leachings in relation to soil and source of fertilizer nitrogen. (A second report on Windsor Lysimeter series "A"). M. F. Morgan and O. E. Street. (Conn. (State) Sta. Bul. 429. 1939.) New Haven.
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- Accuracy of methods of sampling milk deliveries at milk plants. P. H. Tracy and S. L. Tuckey. (Ill. Sta. Bul. 459. 1939.) Urbana.
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Alfalfa bacterial wilt in Michigan. J. H. Muncie and C. R. Megee. (Mich. Sta. Circ. 171. 1939.) East Lansing.

High temperature tolerance of forest trees. R. W. Lorenz. (Minn. Sta. Tech. Bul. 141. 1939.) University Farm, St. Paul.

A compilation of experimental information on feeding laying hens. H. O. West. (Miss. Sta. Bul. 330. 1939.) State College.

Small grain production in the Yazoo-Mississippi Delta. R. Kuykendall. (Miss. Sta. Bul. 334. 1939.) State College.

The value of legumes for soil improvement. R. Coleman. (Miss. Sta. Bul. 336. 1939.) State College.

Coccidiosis in chickens and other birds. A. J. Durant and H. C. McDougale. (Mo. Sta. Bul. 411. 1939.) Revision of Bul. 372. Columbia.

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- Fertilizer and liming practices recommended for South Carolina. H. P. Cooper. (S. C. Sta. Circ. 60. 1939.) Clemson.
- Apple and pear fire blight, spraying for control of blossom blight. C. D. Sherbakoff and J. O. Andes. (Tenn. Sta. Circ. 64. 1939.) Knoxville.
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- Iodine in Texas soils. G. S. Fraps and J. F. Fudge. (Tex. Sta. Bul. 579. 1939.) College Station.
- Retail food prices in relation to amounts, styles, and containers. M. E. Tiffany. (Vt. Sta. Bul. 448. 1939.) Burlington.
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